CHECK LIST

MISSOURI STATE MOTOR VEHICLE INSPECTION HIGHWAY PATROL

SERVICE AND PROTECTION

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MOTOR VEHICLE INSPECTION CHECKLIST

- **FILL OUT I.D. PORTION OF MVI-2 FORM**

- **OBTAIN VIN FROM VEHICLE**

- **DRIVE VEHICLE FOR BRAKE PERFORMANCE**

- **INTERIOR OF VEHICLE**
  - ✓ Steering Wheel Bind and Play
  - ✓ Brake Pedal Power-Brake Reserve
  - ✓ Brake Warning Light
  - ✓ Windshield Wiper Operation
  - ✓ Mirrors
  - ✓ Seat Belts - 1965 & Later *(Passenger Vehicles)*
  - ✓ Seat Belts - 1971 & Later *(Pickup Trucks)*
  - ✓ Horn
  - ✓ High Beam Indicator
  - ✓ Glazing (Glass)

- **OUTSIDE OF VEHICLE**
  - ✓ Wiper Blade Condition
  - ✓ Rear Lights
  - ✓ Signal & Brake Lights
  - ✓ Reflectors
  - ✓ Gas Filler Cap
  - ✓ Front Lights

- **BUMPERS**
  - ✓ ***Maximum Bumper Heights***

	Front	*Rear*
• Passenger Vehicles	22 in.	22 in.

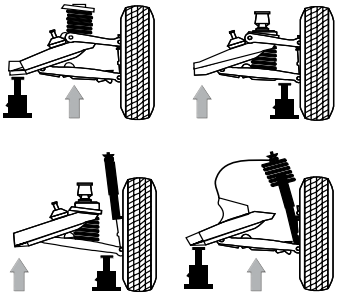
  - ✓ ***Commercial Motor Vehicles Determined By Gross Vehicle Weight Rating (GVWR)***

	Front	*Rear*
• 4,500 lbs. and under	24 in.	26 in.
• 4,501 lbs. through 7,500 lbs.	27 in.	29 in.
• 7,501 lbs. through 9,000 lbs.	28 in.	30 in.
• 9,001 lbs. through 11,500 lbs.	29 in.	31 in.

- **UNDER HOOD**
  - ✓ Master Cylinder Unit
  - ✓ Power Steering Unit
  - ✓ Upper Control Arms
  - ✓ Steering Components (tie rods, steering box, strut mounting)

- **AIR POLLUTION DEVICES**
  - ✓ P.C.V. System
  - ✓ Air Injection
  - ✓ T.A.C. System
  - ✓ Spark Control
  - ✓ Exhaust Gas Recirculation
  - ✓ Oxygen Sensor
  - ✓ Evaporative Emissions System
  - ✓ Catalytic Converter

- **RAISE VEHICLE WITH BALL JOINTS IN "LOADED" POSITION**



NOTE:
- *Arrows Indicate* Loaded Position.
- *Jacks Indicate* Position To Unload Ball Joints.

- **START ENGINE**
  - ✓ Exhaust System
  - ✓ Catalytic Converter(s)
  - ✓ Tires and Wheels
  - ✓ Wheel Bearings
  - ✓ Brake Lines & Hoses
  - ✓ Fuel System
  - ✓ Spring/Torsion Bar
  - ✓ Shock Absorbers
  - ✓ Front Wheel/King Pin Play
  - ✓ Tie Rod Ends (FRT/Rear)
  - ✓ Idler Arm
  - ✓ Pitman Arm
  - ✓ Stabilizer Links (FRT/Rear)
  - ✓ Lower Control Arms (FRT/Rear)
  - ✓ W. I. Type Ball Joints (FRT/Rear)

- **STOP ENGINE**

- **REMOVE WHEEL AND INSPECT BRAKE COMPONENTS**

- **RE-HOIST VEHICLE WITH BALL JOINTS IN "UNLOADED" POSITION TO INSPECT STANDARD BALL JOINTS**
  - ✓ Inspect McPherson Struts with ball joints unloaded

- **COMPLETE MVI-2 FORM**

- **REJECT OR APPROVAL**

- **COLLECT PROPER FEE**